

Unit 5 Worksheet 7 (Triangle Inequality)

Determine whether the given measures can be the lengths of the sides of a triangle. Write *yes* or *no*.

1. 9, 12, 18

2. 8, 9, 17

3. 14, 14, 19

4. 23, 26, 50

5. 32, 41, 63

6. 2.7, 3.1, 4.3

7. 0.7, 1.4, 2.1

8. 12.3, 13.9, 25.2

Find the range for the measure of the third side of a triangle given the measures of two sides.

9. 6 and 19

10. 7 and 29

11. 13 and 27

12. 18 and 23

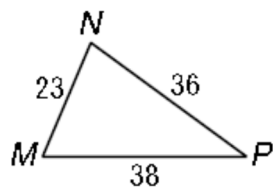
13. 25 and 38

14. 31 and 39

15. 42 and 6

16. 54 and 7

17. Using $\triangle NMP$, list the angles in order from **least to greatest**



18. Using $\triangle ABC$, list the sides in order from **greatest to least**.

